

"Gate Technology for Strained Surface Channel and Strained Buried Channel MOSFET Devices"

Inventors: Fitzgerald et al. Serial No.: 09/923,207

erial No.: 09/923,207 Filed: August 6, 2001

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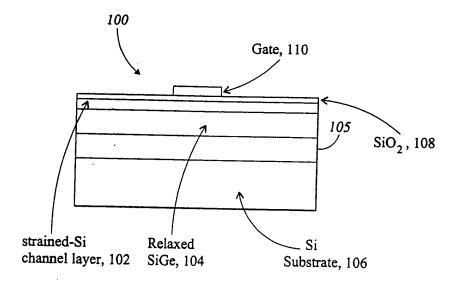


FIG. IA

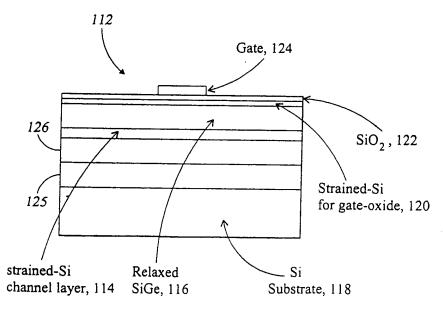
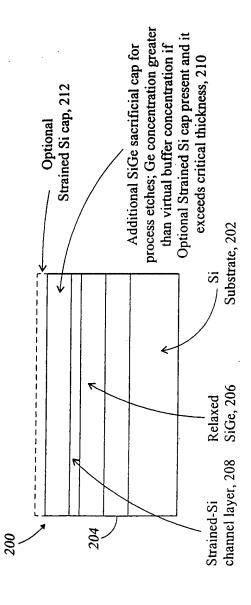


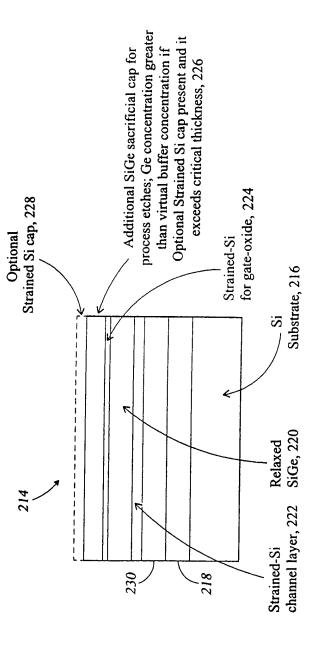
FIG. 1B

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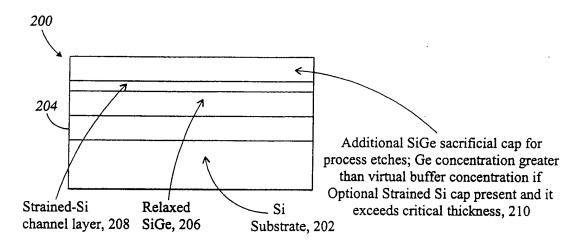


FIG. 3A

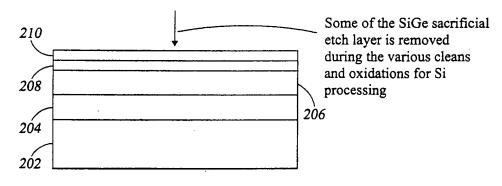


FIG. 3B



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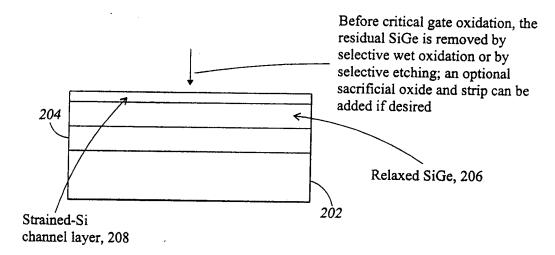


FIG. 3C

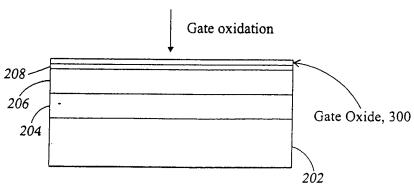


FIG. 3D



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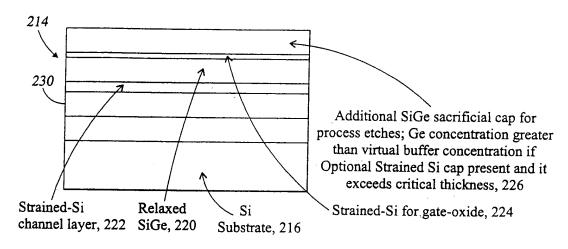
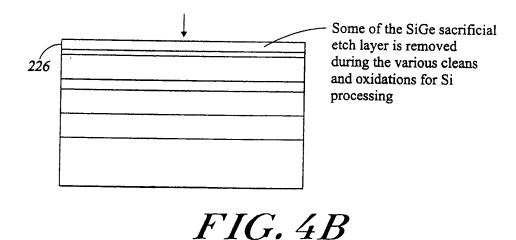


FIG. 4A



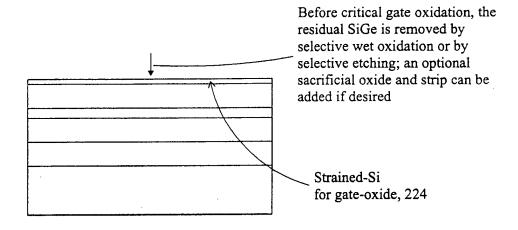


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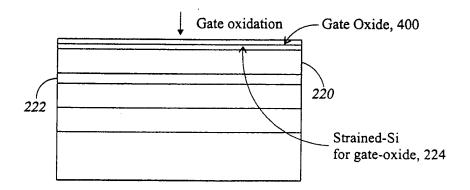
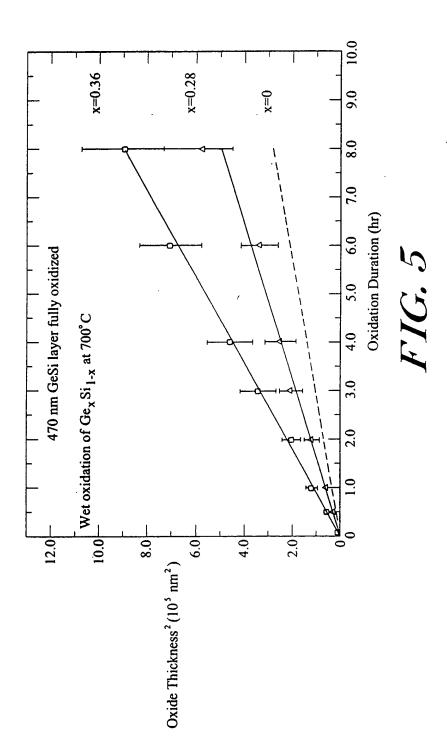


FIG. 4D

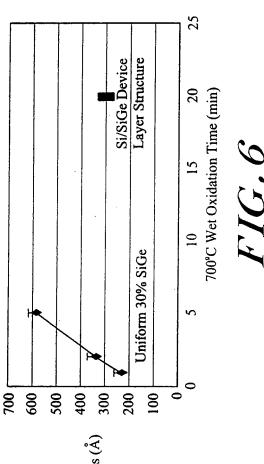


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Oxide Thickness (Å)

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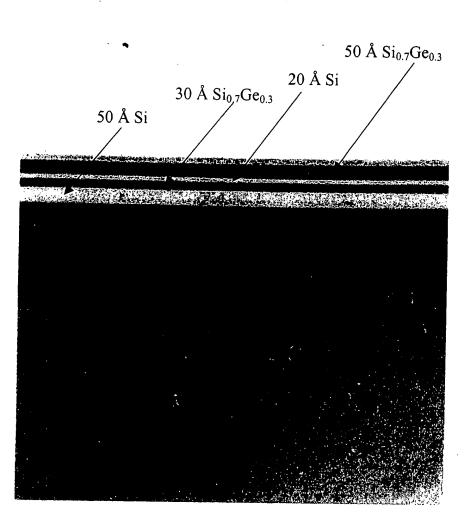


FIG. 7

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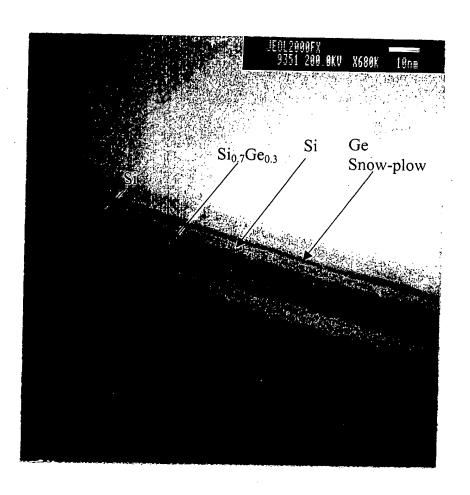


FIG. 8



Strained Buried Channel MQSFET Devices"
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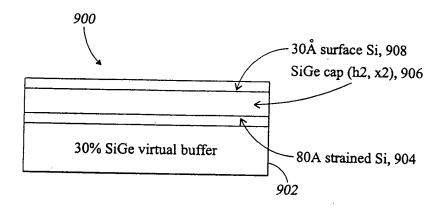


FIG. 9

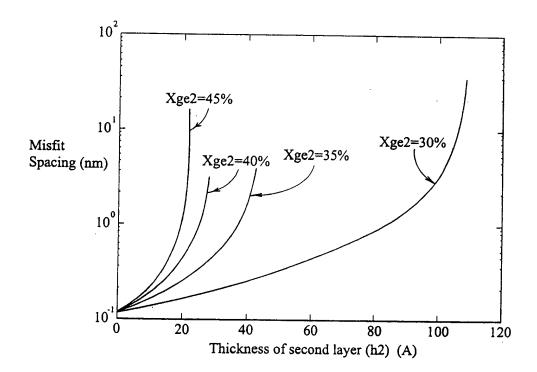


FIG. 10